ASD SSG Newsletter

December 2020 Issue





AeroSpace and Defence Industries Association of Europe (ASD) is the European association representing the interests of industries in the aeronautics, space, defence and security sectors. <u>Link</u>

ASD Strategic Standardisation Group (SSG) is the governance group in charge of Aerospace and Defence digital interoperability. <u>Link</u>

IDENTIFYING THE SET OF STANDARDS REQUIRED FOR AEROSPACE AND DEFENCE DIGITAL INTEROPERABILITY.

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• Study on the functions and effects of European Standards and Standardization
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• Publication of <u>AFNeT – prostep ivip STEP AP242 benchmarks</u> for CAD and PDM
exchange
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4) Integrated Product Support interoperability
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5) Communication
 Publication of the 8 – 9 Oct. 2020 <u>AFNeT Standardisation days</u>
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Study on the functions and effects of European Standards and Standardization



The Directorate General for Internal Market, Industry, Entrepreneurship and SMEs has launched a Study on the functions and effects of European standards and standardization in EU and EFTA Member States. The objective is to understand how the creation and adoption of European standards affect competitiveness and innovation in key industrial sectors.

The ASD participated to the survey through the voices of J. Rivera (SVC Chair), C. Buccini (SVC Vice-Chair), R. Luciani (CSSTOG Chair), B. Seidel (PSSG Chair), JP Souzy (SSG Chair) and JY Delaunay (SSG Vice-Chair), on the 27 Oct. 2020.

They highlighted the importance of standards in their response to the following topics:

- The use of European standards in the Aerospace & Defence sector;
- How European standards can enhance and strengthen the competitiveness and innovative capacity companies (including SMEs);
- Possible opportunities/barriers of European standardisation and how could these be exploited or removed.

Read more here.

Preparation of a new coordination of Defense standardization activities in Europe

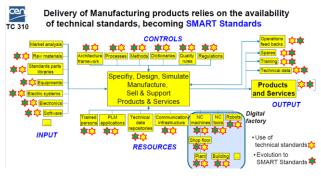


The new entity will replace the Defence Standardization Coordination Group in Europe (DSCG), dismantled two years ago.

A lot of standards are <u>dual standards</u>, of interest for the civil and defence aerospace and defence industries, and <u>hybrid standards</u>, covering both defence and security requirements

Meeting will be organized by CEN-CENELEC planned in Q1 2021. Contact your A&D national standardization bodies for more information.

10 June 2020 CEN TC310 meeting on Machined Readable Standards

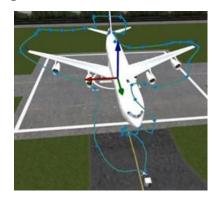


The CEN TC 310 "Advanced automation technologies and their applications" organized a meeting to discuss the outcomes of the increasing activities on Machined Readable Standards". Presentation of ongoing works on this topics by ISO and CEN – CENELEC, with identification of business values for the automotive, aerospace, ships, building, energy, medicals, etc

This new generation of standards will cover all types of standards (business, ICT/IS, etc), and is a key enabler of the Europan signle digital market.

Link to CEN/TC 310

Progress of the AFIS - AFNeT RV&V Interoperability Forum



The Requirement and V&V Interoperability Forum has selected the Aircraft Inspection Drone Assistant (AIDA) model proposed by IRT St-Exupéry (Toulouse, France) as a basis to build the RV&V-IF test cases.

These test cases will be proposed to MBSE tool vendors to assess interoperability of their tools – as part of the RV&V-IF Implementer Group to be set-up in 2021. The test scenarios will be derived from a set of use cases and exchange requirements currently specified by the User Group.

This activity is open for sharing with other associations.

Read more on the <u>RV&V-IF page</u>. AIDA model available <u>here</u>.

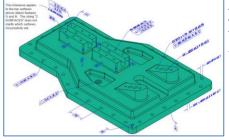
LOTAR MBSE pilot based on AP243 MoSSEC and FMU



LOTAR project has recently placed a contract with Modelon to develop a demonstrator to test and refine the production of NAS/EN 9300-520, which is concerned with the long term archiving of the mathematical representations of MBSE analytical models. The demonstrator will archive and retrieve analytical models represented in FMU (Functional Mockup) or SSP (System Structure Parameterization) along with a manifest of contextual information represented in ISO 10303-243 (MoSSEC) format.

Read more about the LOTAR MBSE Workgroup web page

Publication of AFNeT – prostep ivip STEP AP242 benchmarks for CAD and PDM exchange



The 3rd benchmark report is now available.

The objective of these Benchmarks is to provide a public status of STEP AP242 functionalities available for operational use, tested by the industry and to identify limitations of the tested PLM COTS STEP AP242 applications.

CAD benchmark report: <u>LINK</u> – PDM benchmark report: <u>LINK</u> **Read more on** <u>AP242 Benchmark website</u>

Preparation of the 2nd Test Round of the EWIS Interoperability Forum

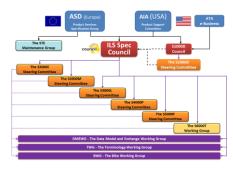


The EWIS IF starts its second Interoperability Test Round in Sept. 2020 based on STEP AP242 e2, covering the exchange of electrical wiring harness topology associated to geometry. A two-day meeting was held on the 9-10 September.

The next joint coordination meeting between the EWIS IF User Group and Implementer Group will be held on the 9 December 2020

Read more at https://www.cax-if.org/ewis/ewis_introduction.php

Product Services Specification Group (PSSG) meeting held on the 17th/18th November



Working alongside colleagues in the AIA Product support committee in the Integrated Product Support (IPS) Specification Council, formally the ILS Council, the target is still very much the block release of the S-Series Specifications, minus S1000D, in April 2021.

The focus now is, "how much integration" can be achieved by the release date; focussing on Common Terminology, Engineering Domains & IPS Elements. A key component will be the development of the Sn000X specifications, the input data specifications that will provide the "glue" that binds them all.

Read more at <u>www.asd-pssg.org</u>

Publication of SX001G and SX002D by the Data Model and Exchange Working Group



The DMEWG has published the SX001G (Glossary) and the SX002D (Common Data Model), both at Issue 2.0 with work on Issue 2.1 already begun. The DMEWG also continues to support ISO 10303:239 Product Life Cycle Support (PLCS)ed 3; this work is held to key to the full implementation of the S-Series and indeed a PLCS Task Team is to be form

Read more at <u>www.sx000i.org/dmewg</u>

ASD/AIA Specification – S5000F International specification for in-service data feedback



With the International specification for in-service data feedback now firmly in the market place, many programmes have already adopted it: Rafale, NH-90, (which achieved a major data exchange of 100Mbytes), Brasidas (the French MoD Logistic system), Airbus for SmartForce, 2Moro(MRO software) and even beyond Aerospace & Defence into the maritime world. Some military users are seeking to use the S5000F in deployment scenarios and work on this area and the general development of the Specification will be aided by the growing steering committee, now with 25 active members.

To assist the growing number of adopters, the S5000F Steering Committee is to establish a Task team to produce a Guidance document, managed by NHIndustries and a charter for the said task team is under development.

Read more at <u>www.S5000F.com</u>

Publication of the 8 – 9 Oct. 2020 AFNeT Standardisation days presentations"



<u>Presentations and videos of the 6&7 October AFNeT standardisation days are</u> <u>publicly available</u>. The event was fully virtual, prepared with shared webinars from June to October to introduce the public in the final schedule of the 6 and 7 October, which included keynotes, round tables and technical presentations on specific topics.

Read more on the agenda, and https://download.afnet.fr/ASD2020/

Publication of presentations of the 2-3 Sept. 2020 Prostep ivip Symposium



The 25^{th} prostep ivip symposium was held on line on the 2 – 3 September 2020, focused on presentations related to "Advanced Systems Engineering – Connected and Autonomous".

To acces the presentations of the symposium: LINK, and the webinars: LINK

Next events

- LOTAR International meeting, 8 11 December 2020
- AIA ASD SX000i Steering Committee: 11 13 January 2021
- AIA ASD S5000F Steering Committee: 26 28 January 2021
- AIA ASD DMEWG: 16 19 February 2021
- Next ASD PSSG: 22 24 February 2021
- Next ASD SSG meeting: 9 10 March 2021
- CEN TC 310 meeting , 15 March 2021



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